

Technology research of civil Aviation government System

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Abstract

The collaborative work of administrative affairs system needs workflow support. In the civil aviation , most of the business processes of the work can be attributed to workflow. Workflow is mainly applied in the government affairs system for the purpose of the efficiency of administrative work process, management of administrative approval process, and promotion of the coordination of functional departments. This paper mainly studies the application of workflow technology in civil aviation government affairs system.

Keywords

workflow;civil aviation government affairs; collaborative office

1. Introduction

As the comprehensive management organization of civil aviation in east China, east China administration of civil aviation is involved in the organization and coordination of major affairs within its jurisdiction. The construction of its administrative system is mainly for the internal information construction of government agencies, and it serves various departments of east China administration by establishing an information platform. In the process of building government affairs system, the process is built according to the actual work needs of the unit. In the daily work of east China bureau, collaborative work is common and daily management is busy, so workflow technology can be used to optimize the management and control of daily administrative work of government units.

2. Workflow Technology

Workflow is simply a work business process. Workflow engine is the center of workflow technology. By establishing program interface, workflow engine provides workflow scheduling service to various business systems.

Workflow engine is divided into control module, instance management module and so on. Workflow process control management can provide management and monitoring functions for employees, so that employees can clearly see the list of using processes, and make employees choose manual intervention and adjustment. The following is the architecture model of workflow engine adopted by this workflow system. such as figure 1:

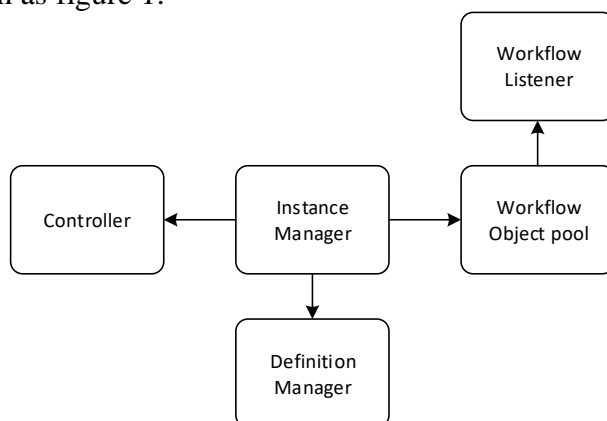


Figure 1 Workflow engine architecture

3. Workflow architecture

In order to meet the actual business office needs of east China management bureau, ensure the system office process is simple and practical, avoid the impact of complex government affairs process on the system as far as possible, improve the office efficiency of east China management bureau, and then combine with the actual office situation in the field of government affairs to build the workflow model architecture .

The goal of this model is to solve the needs of the actual administrative affairs system of east China management bureau. Meanwhile, it can simplify the development steps and business realization process of the administrative affairs system of east China management bureau, reduce the development difficulty brought by the intersections of processes, so as to achieve cross-departmental collaborative work and improve the efficiency of daily administrative work.

4. Case analysis

Workflow is needed in collaborative office system. Workflow means that when handling a job or business, more than one person will finish it in a certain order. In the east China bureau of civil aviation in daily work, most of the work is more than one person is required to complete, that most of the work process is the workflow of the business, the workflow has the following characteristics: new processes are involved in drafting, review, issue and final draft people, etc., the process is done by more than one person or more departments; In the new process, different types of approval may be designed, including expense reimbursement, seal application, leave of absence, air ticket reservation, etc. However, the process is basically signed by the department leader, and then submitted to the corresponding department for handling and feedback to the applicant. The work business needs to be executed in a certain order, with each new creation at the front, archived at the back, and defined freely in the middle according to the actual situation.



Figure 5 Process diagram

5. Conclusion

East China bureau of full use of workflow technology in the design of e-government system, through the use of collaborative office system can largely avoid file manual transmission, to avoid the process of examination and approval, financial reimbursement, meeting management, schedule management department more complicated to deal with, to avoid the work process simplification and traditional problems in the system of administrative examination and approval, the official document transfer, collaborative office, etc., can also for visualization query and monitoring process.

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